

UNITED STATES DEPARTMENT OF COMMERCE Patent and Trademark Office Address: COMMISSIONER OF PATENTS AND TRADEMARKS Washington, D.C. 20231

SERIAL NUMBER	FILING DATE	FIRST NAMED INVENTOR			ATTORNEY DOCKET NO.
			• •		ATTOMET BOCKET NO.
08/442,277	05/16/05	DOUGE		-	
00/442,2//	05/16/95	BOYSE	· E	6287-026	TVANIED.
			CTANTON	·	EXAMINER
		18M2/0914	STANTON		
PENNIE & ED				ART UNIT	PAPER NUMBER
1155 AVENUE OF THE AMERICAS NEW YORK NY 10036-2711					
HEW TURK NY	10036-2/11				
			1804	DATE MAN ED	
This is a same value of				09/14/95	
This is a communication from the examiner in charge of your application. COMMISSIONER OF PATENTS AND TRADEMARKS 09/14/95					
		Rosaut Purpose Owe,	7		
	For	V KONIECTO			
This application ha	s been examined	Responsive to communication	n filed on		This action is made final.
2					
A shortened statutory period for response to this action is set to expire month(s), days from the date of this letter. Failure to respond within the period for response will cause the application to become abandoned. 35 U.S.C. 133					
			Come abandone	a. 33 U.S.C. 133	
Parti INE FULLOW	ING ATTACHMENT(S) ARE PART OF THIS ACTION:			
1. Notice of References Cited by Examiner, PTO-892. 2. Notice of Draftsman's Patent Drawing Review PTO-948					
 Notice of Art Cited by Applicant, PTO-1449. Notice of Informal Patent Application, PTO-152. Information on How to Effect Drawing Changes, PTO-1474. 					
				-	· · · · · · · · · · · · · · · · · · ·
Part II SUMMARY OF ACTION					
1. Claims_ /O	AND 60 -	111			
1. Claims 10 ANS 60 - 111 are pending in the application.					
Of the ab	ove, claims			are w	rithdrawn from consideration.
3. LI Claims					are allowed.
					are rejected.
5. LJ Claims	·				are objected to
6 Claime 10	4-10 64-11	. ——			are objected to:
		/			
7. 🔲 This application has been filed with informal drawings under 37 C.F.R. 1.85 which are acceptable for examination purposes.					
Formal drawings are required in response to this Office action.					
9. The corrected or	r substitute drawings h	ave been received on		. Under 37 C F	R. 1.84 these drawings
are 🛮 acceptat	ole; Inot acceptable	(see explanation or Notice of Drafts	sman's Patent D	rawing Review, PTO	948).
7. The proposed additional or substitute sheet(s) of drawings, filed on has (have) been approved by the					
examiner; 🛘 di	sapproved by the exam	miner (see explanation).	· '	nas (have) been 📙	approved by the
_		·			
·· L ine proposed dr	awing correction, filed	, has bee	n approved	: D disapproved (se	ee explanation).
2. L. Acknowledgeme	nt is made of the claim	for priority under 35 U.S.C. 110	The cortilled see	nu haa 🖂 t	ived. Electhors
D been filed in p	parent application, seri	al no; filed	on		Thor been teceived
Since this application apppears to be in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11; 453 O.G. 213.					
			.u. 213.		
I. Cother		•			

EXAMINER'S ACTION

Serial Number: 07/950,356

Art Unit: 1804

Claims 10 and 60-111 are pending in the instant Application. Claims 1-9 and 11-59 were cancelled in the amendment filed 5/16/95 (Paper No. 3).

Restriction to one of the following inventions is required under 35 U.S.C. § 121:

- I. Claim 10, drawn to recombinant cells, classified in Class 435, subclass 240.2.
- II. Claims 60-62, 67-103 and 105-111, drawn to treatment methods wherein blood is directly administered, classified in Class 424, subclass 529.
- III. Claims 63-65, drawn to treatment methods wherein blood cells are grown *in vitro* prior to administration, classified in Class 435, subclass 240.21 and Class 424, subclass 529.
- IV. Claim 66 and 104, drawn to treatment methods wherein recombinant cells lines are prepared and used, classified in Class 514, subclass 44 and Class 424, subclass 529..

The inventions are distinct, each from the other because of the following reasons:

Inventions I and IV are related as product and process of use. The inventions can be shown to be distinct if either or both of the following can be shown: (1) the process for using the product as claimed can be practiced with another materially different product or (2) the product as claimed can be used in a materially different process of using that product (M.P.E.P. § 806.05(h)). In the instant case, the recombinant cells lines are useful for example in *in vitro* assays and differentiation studies which do not necessarily involve infusion into patients.

The inventions of Groups II-IV represent distinct therapeutic regimens. In the case of Group II, the invention involves direct utilization of unmodified blood. In the invention of Group III, the blood is grown *in vitro* prior to introduction into the patient. Such a method involves establishment of culture conditions, selection of particular cell types and regulation of the state of differentiation of constituent cells. None of the latter techniques are involved in the method of Group II. The method of Group IV requires the transfection of cells which involves selection of vectors, methods of introduction of nucleic acids into cells and selection methods. For these reasons the methods of groups II-IV represent materially different procedures which require non-coextensive considerations.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classifications, recognized divergent subject matter and further because the searches required for the different inventions are not coextensive, restriction for examination purposes as indicated is proper.

Serial Number: 07/950,356

-3-

Art Unit: 1804

Applicant is advised that the response to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed.

A telephone call was made to Dr. Adriane Antler on 9/12/95 to request an oral election to the above restriction requirement, but did not result in an election being made.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 C.F.R. § 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a diligently-filed petition under 37 C.F.R. § 1.48(b) and by the fee required under 37 C.F.R. § 1.17(h).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brian R. Stanton whose telephone number is (703) 308-2801. The examiner can normally be reached Monday-Thursday from 6:30 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jacqueline Stone, can be reached at (703) 308-3153. The fax phone number for this Group is (703) 308-4312.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 308-0196.

Brian R. Stanton, Ph.D. 12 September 1995

BRIAN R. STANTON PATENT EXAMINER GROUP 1800

Bunk Sten